



U.S. Patent Application No. 10/501,217

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:  
JENNY, Reinhard

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Serial No. 10/501,217

Conf. No. 3811

Examiner: John A. WARD

Art Unit: 2875

For: LINE ILLUMINATION

DECLARATION UNDER 37 C.F.R. 1.132

Commissioner for Patents  
Washington, DC 20231

Sir:

NOW COME the undersigned and declare that:

1. I, Andreas Ettemeyer, a citizen of Germany, having an address of NTB Interstate University of Applied Sciences of Technology, Werdenbergstr. 4, 9471 Buchs, Switzerland.
2. That I have been involved in technology that relates to optical technology.
3. I have no financial, material, or other interest in the instant patent application nor do I have any financial, material, or other interest with respect to the inventor.
4. At the behest of the inventor, I have read the full disclosure of U.S. Patent Application No. 10,501,217 and its current pending claims. Based on my expertise in the art, I understand the disclosure as follows: in many cases of industrial inspection a light line is required. Such light line can be produced in the described manner by using several LED's arranged in a row or a flat fiber optic in combination with a mirror or rod shaped lens. However, if such produced light line is observed by a camera, the image of the line will be vignetted by the natural light decrease according to the described mathematical function. This vignetting can be compensated using a diaphragm with variable width over the length of the line. I understand, that the diaphragm could be designed and positioned in different ways, the result always being an effect on the intensity of the image of the light line. If the diaphragm is designed in a manner to block more light in the center of the line than at the ends of the line, the total image of the line will appear with even intensity and the vignetting is compensated by the diaphragm. I believe, that one of ordinary skill in the art, including myself, can without undue experimentation arrive at the desired invention described in the disclosure and annunciated in the claims.

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5. All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon. Further, declarant saith not.

6. WITNESS my signature below on the indicated date.

Nov. 7<sup>th</sup>, 2007  
Date



[Andreas Ettemeyer]